Ļij

Their street these street street the

What is claimed is:

1. A disk-shaped optical recording medium having, in sequence from an inner circumference side to an outer circumference side, a PCA region, a PMA region, a lead-in region, a program region and a lead-out region, comprising:

a meandering groove or land upon which a light beam is tracked, thereby performing recording and playback of data with the disk-shaped optical recording medium, wherein a track pitch of the program region is narrower than a track pitch of each of the PCA region, PMA region and lead-in region.

- 2. The disk-shaped optical recording medium according to claim 1, wherein a track pitch of the lead-out region is narrower than the track pitch of the program region.
- 3. The disk-shaped optical recording medium according to claim 1, further comprising a track pitch transition region in which a track pitch changes gradually.
- The disk-shaped optical recording medium according to claim 3, wherein the track pitch of the program region gradually changes in a terminal portion of the leadin region, and

the change of track pitch ends within the lead-in region.

- 5. The disk-shaped optical recording medium according to claim 1, wherein a linear speed of the PCA region and a linear speed of the program region are the same.
- 6. A disk-shaped optical recording medium having, in sequence from an inner circumference side to an outer circumference side, a PCA region, a PMA region, a lead-in region, a program region and a lead-out region, comprising:

a meandering groove or land upon which a light beam is tracked, thereby performing recording and playback of data with the disk-shaped optical recording medium, wherein a linear speed of the program region is slower than a linear speed of each of the PCA region, PMA region and lead-in region.

7. The disk-shaped optical recording medium according to claim 6, wherein a linear

ting gorg god vong god gron

Mark mark

ΞŞ

- The disk-shaped optical recording medium according to claim 6, further comprising a linear speed transition region in which a linear speed changes gradually.
- 9. The disk-shaped optical recording medium according to claim 8, wherein the linear speed of the program region is made slower than the linear speed of each of the PCA region, PMA region, and lead-in region, the linear speed gradually changes at a terminal portion of the lead-in region, and the change of linear speed ends within the lead-in region.
- 10. The disk-shaped optical recording medium according to claim 1, wherein the track pitch of the program region is between 1.2 μ m and 1.3 μ m.
- 11. The disk-shaped optical recording medium according to claim 10, wherein a width of the meandering groove or land of the program region, in which data is recorded, is between 300 nm and 550 nm.
- 12. The disk-shaped optical recording medium according to claim 10, wherein a laser power used on the optical recording medium is between 4.9 mW and 6.5 mW.
- 13. The disk-shaped optical recording medium according to claim 10, wherein an eccentricity amount of the respective grooves or lands of the optical recording medium is 30 μ m or less.
- 14. The disk-shaped optical recording medium according to claim 1, wherein the linear speed of the program region is made 1.0 m/s or more.
- 15. The disk-shaped optical recording medium according to claim 2, wherein the linear speed of the program region is made 1.0 m/s or more.
- 16. The disk-shaped optical recording medium according to claim 1, wherein a width of the groove or land used for recording data is narrower than a width of the groove or land where data is not recorded.

- 17. The disk-shaped optical recording medium according to claim 2, wherein a width of the groove or land used for recording data is narrower than a width of the groove or land where data is not recorded.
- 18. The disk-shaped optical recording medium according to claim 6, wherein a width of the groove or land used for recording data is narrower than a width of the groove or land where data is not recorded.
- 19. The disk-shaped optical recording medium according to claim 1, wherein a diameter of the optical recording medium is 80 mm and the optical recording medium has a recording time of between 30 and 34 minutes.
- 20. The disk-shaped optical recording medium according to claim 6, wherein a diameter of the optical recording medium is 80 mm and the optical recording medium has a recording time of between 30 and 40 minutes.
- 21. A stamper comprising convex portions corresponding to concave portions of the optical recording medium of claim 1 and concave portions corresponding to convex portions of the optical recording medium of claim 1.
- 22. A stamper comprising convex portions corresponding to concave portions of the optical recording medium of claim 6 and concave portions corresponding to convex portions of the optical recording medium of claim 6.
- 23. The stamper according to claim 21, wherein an eccentricity amount of the concave portions or convex portions formed in the stamper is 10 µm or less.
- 24. The stamper according to claim 22, wherein an eccentricity amount of the concave portions or convex portions formed in the stamper is 10 µm or less.
 - 25. A method of manufacturing the stamper of claim 21, comprising: using a first molding die made of metal to mold a second molding die made of resin; and

molding the stamper made of metal which is a third molding die from the second

molding die.

26. A method of manufacturing the stamper of claim 22, comprising: using a first molding die made of metal to mold a second molding die made of resin; and

molding the stamper made of metal which is a third molding die from the second molding die.

27. A disk-shaped optical recording medium, comprising: at least a program region; and

a meandering groove or land upon which a light beam is tracked, thereby performing recording and playback of data with the disk-shaped optical recording medium, wherein a track pitch is between 1.2 μ m and 1.3 μ m and a linear speed of the program region is between 1.0 m/s and 1.13 m/s.

- 28. The disk-shaped optical recording medium according to claim 27, wherein a width of the groove or land of the program region recorded with the data is between 300 nm and 550 nm.
- 29. The disk-shaped optical recording medium according to claim 28, wherein a laser power at recording time is between 4.9 mW and 6.5 mW.
- 30. A disk-shaped optical information medium, comprising: at least a lead-in region having tracks, memorized contents information of the disk-shaped optical information medium;
- a program region having tracks, memorized information recorded in the disk-shaped optical information medium; and
- a lead-out region having tracks, denoting an end of tracks in the disk-shaped optical information medium, wherein a track pitch of the lead-out region is smaller than a track pitch of any other regions.
- 31. The disk-shaped optical information medium according to claim 30, further comprising a track pitch transition region in which a track pitch changes gradually.

32. The disk-shaped optical information medium according to claim 30, wherein a linear speed of the lead-in region and a linear speed of the program region are the same.

- 33. The disk-shaped optical information medium according to claim 30, wherein a track pitch of the program region is between 1.2 µm and 1.3 µm.
- 34. The disk-shaped optical information medium according to claim 33, wherein a linear speed of the program region is 1.0 m/s or more.
- 35. A stamper comprising convex portions corresponding to concave portions of the optical information medium of claim 30 and concave portions corresponding to convex portions of the optical information medium of claim 30.
- 36. The stamper according to claim 35, wherein an eccentricity amount of the concave portions or convex portions formed in the stamper is 10 µm or less.
 - 37. A disk-shaped optical information medium, comprising:
- at least a lead-in region having tracks, memorized contents information of the disk-shaped optical information medium;
- a program region having tracks, memorized information recorded in the disk-shaped optical information medium; and
- a lead-out region having tracks, denoting an end of tracks in the disk-shaped optical information medium, wherein a linear speed of lead-out region is smaller than a linear speed of any other regions.
- 38. The disk-shaped optical information medium according to claim 37, further comprising a linear speed transition region in which a linear speed changes gradually.
- 39. The disk-shaped optical information medium according to claim 37, wherein a track pitch of the program region is between 1.2 μ m and 1.3 μ m.
- 40. The disk-shaped optical information medium according to claim 39, wherein a linear speed of the program region is 1.0 m/s or more.

- 41. A stamper comprising convex portions corresponding to concave portions of the optical information medium of claim 37 and concave portions corresponding to convex portions of the optical information medium of claim 37.
- 42. The disk-shaped optical recording medium according to claim 27, wherein a diameter of the optical recording medium is 80 mm and the optical recording medium has a recording time of between 30 and 40 minutes.
- 43. A disk-shaped optical recording medium having, in sequence from an inner circumference side to an outer circumference side, a PCA region, a PMA region, a lead-in region, a program region and a lead-out region, comprising:

a meandering groove or land upon which a light beam is tracked, thereby performing recording and a playback of data with the disk-shaped optical recording medium, wherein at least a track pitch or a linear speed of either the PCA region or the PMA region is greater than a track pitch or linear speed of the other regions.

- 44. The disk-shaped optical recording medium according to claim 43, wherein at least the track pitch or the linear speed of the PCA region is greater than the track pitch or the linear speed of the other regions.
- 45. The disk-shaped optical recording medium according to claim 43, wherein at least the track pitch or the linear speed of the PMA region is greater than the track pitch or the linear speed of the other regions.
- 46. The disk-shaped optical recording medium according to claim 43, wherein at least the track pitch or the linear speed of the PCA region and the PMA region are greater than the track pitch or linear speed of any other regions.